#### 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA (Swatara Creek Project)

LOCATION.--Lat 40°35'42", long 76°26'32", Schuylkill County, Hydrologic Unit 02050305, on left bank above weir, 350 ft downstream from drainage tunnel. Located on Schuylkill County property.

PERIOD OF RECORD.--April 1996 to current year.

#### PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: April 1999 to current year.

pH: April 1999 to current year.

WATER TEMPERATURÉ: April 1999 to current year.

**INSTRUMENTATION**.--Water-quality monitor (in situ system).

REMARKS.--Specific conductance records rated good except for period Oct. 1 to Feb. 6, which is fair. pH records rated fair. The pH probe is subject to fowling from precipitation of iron, adhesion of lime on electrodes, and occasional burial by sediment. Water temperature records rated good. Interruptions in the record were due to malfunctions of the instrumentation. Some values for "dissolved" parameters exceed values for the corresponding "total" parameter. These results are within the limits of analytical precision and methods. Instantaneous discharge data provided by the Pottsville Mining office of the Pennsylvania Department of Environmental Protection. Other data for this project presented in tables on pages 316-370. Figure 10 shows the location of sites sampled as part of the Swatara Creek Project. Abbreviations used: E, estimated.

#### EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 902 microsiemens, Sept. 22, 1999; minimum, 141 microsiemens, Aug. 13, 1999. pH: Maximum, 7.0, June 26, 27, 1999; minimum, 3.4, Sept. 8, 17, 1999.

WATER TEMPERATURE: Maximum, 14.5°C, Sept. 30, 1999; minimum, 10.0°C, Dec. 17, 2000.

EXTREMES FOR CURRENT YEAR.-SPECIFIC CONDUCTANCE: Maximum, 694 microsiemens, Sept. 25; minimum, 252 microsiemens, Dec. 16, 17.
WATER TEMPERATURE: Maximum, 13.5°C, Sept. 24; minimum 10.0°C, Dec. 17.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXID- ATION RED- UCTION POTEN- TIAL (MV) (00090)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)
NOV										
21 JAN	1200	9813	1028	3.4	427	9.0	84	4.7	4.8	428
08	1100	930	1028	4.5	336	9.5	87	5.3	5.7	282
MAR 13	1430	930	1028	6.3	411	9.6	91	5.2	4.1	343
MAY	1430	930	1026	0.3	411	9.0	91	3.2	4.1	343
21	1515	930	1028	3.4	330	10.5	98	6.2	6.0	285
JUL										
16	1230	930	1028	3.4	335	9.4	88	6.2	5.7	335
17	1515	930	1028	4.2				6.3	5.4	331
17	1600	930	1028	4.9				5.5	4.8	376
17	1800	930	1028	4.9				5.2	4.7	377
17	2000	930	1028	4.5				5.2	4.6	372
18	0000	930	1028	4.5				5.3	4.3	372
18	0400	930	1028	4.5				5.4	4.4	364
18	1200	930	1028	4.5				5.6	4.4	356
20	0700	930	1028	4.0				6.3	5.2	324
20	1000	930	1028	4.2				5.1	4.0	375
20	1600	930	1028	4.2				5.3	4.2	369
20	2200	930	1028	4.5				5.4	4.2	358
21	0800	930	1028	4.0				5.7	4.3	350
SEP										
26	1315	930	1028	1.8	485	10.0	93	4.8	3.9	627

# 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA--Continued

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)		(MG/L AS K)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	DIS- SOLVED (MG/L	RECOV- ERABLE (MG/L AS NA)	(MG/L AS CAC03)
NOV 21	11.8	24.7	25.2	36.3	37.2			5.2	5.2	24
JAN 08	11.7	11.0	11.0	19.0	19.0	1.40	1.2	3.6	3.4	
MAR 13	12.0	16.0	16.0	25.0	24.0	1.40	1.4	3.8	3.7	<5.0
MAY 21	11.9	10.0	11.0	19.0	20.0	1.10	1.1	3.2	3.2	<5.0
JUL 16	12.2	13.0	13.0 13.0 16.0 16.0 16.0 16.0 16.0 13.0 17.0 16.0	25.0 25.0 27.0 27.0 26.0 27.0 26.0 25.0 24.0 27.0 27.0 26.0	24.0	1.30	1.2	3.8	3.6	
17	12.1	14.0	13.0	25.0	24.0	1.30	1.4	4.2	3.8	<5.0
17	12.3	17.0	16.0	27.0	27.0	1.50	1.6	4.2	4.0	<5.0
17	12.3	17.0	16.0	27.0	26.0	1.50	1.5	4.2	3.9	<5.0
17	12.3	16.0	16.0	26.0	26.0	1.50	1.4	4.2	3.8 4.0 3.9 3.9	25
18	12.3	16.0	16.0	27.0	26.0	1.40	1.5	4.0	3.9	8.7
18	12.4	17.0	16.0	26.0	26.0	1.50	1.4	4.1	3.8 3.6 3.6	5.9
18	12.4	16.0	16.0	25.0	25.0	1.50	1.4	3.9	3.6	<5.0
20	12.0	13.0	13.0	24.0	24.0	1.30	1.2	4.2	3.6	<5.0
20	12.3	17.0	17.0	27.0	27.0	1.40	1.4	4.1	3.7	11
20	12.4	17.0	16.0	27.0	26.0	1.40	1.3	3.8	3.5	7.6
20	12.4	16.0	16.0	26.0	25.0	1.40	1.4	3.9	3.5	7.6 7.6
21	12.2 12.1 12.3 12.3 12.3 12.4 12.4 12.0 12.3 12.4 12.4 12.4	16.0	16.0	25.0	25.0	1.40	1.3	3.6	3.4	<5.0
SEP 26	11.8			59.0	56.0		1.7	4.8	4.7	31
DATE	ANC WATER UNFLTRD FET LAB (MG/L AS CACO3) (00417)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	DEG. C, SUS- PENDED (MG/L)	ALUM- INUM, DIS- SOLVED (µG/L AS AL) (01106)	(µG/L AS AL)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	ARSENIC TOTAL (µG/L AS AS)		RECOV- ERABLE (µG/L AS BA)
	WATER UNFLTRD FET LAB (MG/L AS CACO3)	RIDE, DIS- SOLVED (MG/L AS CL)	DIS- SOLVED (MG/L AS SO4)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	INUM, DIS- SOLVED (µG/L AS AL)	INUM, TOTAL RECOV- ERABLE (µG/L AS AL)	DIS- SOLVED (µG/L AS AS)	ARSENIC TOTAL (µG/L AS AS)	DIS- SOLVED (µG/L AS BA)	TOTAL RECOV- ERABLE (µG/L AS BA)
NOV 21	WATER UNFLTRD FET LAB (MG/L AS CACO3)	RIDE, DIS- SOLVED (MG/L AS CL)	DIS- SOLVED (MG/L AS SO4)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	INUM, DIS- SOLVED (µG/L AS AL)	INUM, TOTAL RECOV- ERABLE (µG/L AS AL)	DIS- SOLVED (µG/L AS AS)	ARSENIC TOTAL (µG/L AS AS)	DIS- SOLVED (µG/L AS BA)	TOTAL RECOV- ERABLE (µG/L AS BA)
NOV 21 JAN 08	WATER UNFLTRD FET LAB (MG/L AS CACO3) (00417)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	INUM, DIS- SOLVED (µG/L AS AL) (01106)	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)	DIS- SOLVED (µG/L AS AS) (01000)	ARSENIC TOTAL (µG/L AS AS) (01002)	DIS- SOLVED (µG/L AS BA) (01005)	TOTAL RECOV- ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13	WATER UNFLITED FET LAB (MG/L AS CACO3) (00417)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	INUM, DIS- SOLVED (µG/L AS AL) (01106)	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)	DIS- SOLVED (µG/L AS AS) (01000)	ARSENIC TOTAL (µG/L AS AS) (01002)	DIS- SOLVED (µG/L AS BA) (01005)	TOTAL RECOV- ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21	WATER UNFLITRD FET LAB (MG/L AS CACO3) (00417)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	INUM, DIS- SOLVED (µG/L AS AL) (01106)	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)	TOTAL RECOV- ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 JUL	WATER UNFLITED FET LAB (MG/L AS CACO3) (00417) 2 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170 160 600 100	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 JUL 16	WATER UNFLITED FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170 160 600 100 130	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 JUL 16	WATER UNFLITRD FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160  600  100  130 1600	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 JUL 16 17	WATER UNFLITAD FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170 160 600 100 130 1600 990	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
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NOV 21 JAN 08 MAR 13 MAY 21 JUL 16 17 17	WATER UNFLITRD FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160 170 160	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160  600  100  130 1600 990 1800	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 JUL 16 17 17 17	WATER UNFLITAD FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160 170 160	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160  600  100  130 1600 990 1800 1300 1300 1200	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 JUL 16 17 17 17 17 18	WATER UNFLITED FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5 <5 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160 170 160 160	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160  600  100  130 1600 990 1800 1300 1300 1200	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
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NOV 21 JAN 08 MAR 13 MAY 21 JUL 16 17 17 17 18 18 18 20	WATER UNFLITRD FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 3.0	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160 170 160 160 150 130	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160  600  100  130 1600 990 1800 1300 1200 850 420 1200 1500	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 17 17 17 18 18 20 20	WATER UNFLITED FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160 170 160 160 150 130 170	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160 600 100 130 1600 990 1300 1200 420 120 1500 1300	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)
NOV 21 JAN 08 MAR 13 MAY 21 JUL 16 17 17 18 18 20 20 20	WATER UNFLITRD FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 3.0         	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160 160 160 150 130 170 160 160	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160 600 100 130 1600 990 1800 1300 1200 850 420 120 1500 1300 850	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740  1100  1300  1400 16000 7700 6900 3700 2400 2600 1700 2000 1700 2000 1900 1500	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0 <40.0	ARSENIC TOTAL (μG/L AS AS) (01002)  <40 <40 <40 <40 <40 <40 <40 <40 <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0 29.0 28.0 29.0 28.0 29.0 30.0 27.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)  30.0  27.0  28.0  27.0  47.0  39.0  33.0  29.0  29.0  31.0  27.0  28.0  30.0
NOV 21 JAN 08 MAR 13 MAY 21 17 17 17 18 18 20 20	WATER UNFLITRD FET LAB (MG/L AS CACO3) (00417) 2 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 3.0        	DIS- SOLVED (MG/L AS SO4) (00945) 221 110 160 100 140 140 160 170 160 160 150 130 170	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)  18	INUM, DIS- SOLVED (µG/L AS AL) (01106)  1170  160 600 100 130 1600 990 1300 1200 420 120 1500 1300	INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)  1740 1100 1300 1100	DIS- SOLVED (µG/L AS AS) (01000)  <80.0 <40.0	ARSENIC TOTAL (µG/L AS AS) (01002)   <40 <40	DIS- SOLVED (µG/L AS BA) (01005)  29.0 27.0 28.0	TOTAL RECOV-ERABLE (µG/L AS BA) (01007)

# 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (µG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	CHRO-MIUM, TOTAL RECOV- ERABLE (µG/L AS CR) (01034)	COBALT, DIS- SOLVED (µG/L AS CO) (01035)	COBALT, TOTAL RECOV- ERABLE (µG/L AS CO) (01037)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU) (01042)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE) (01045)
NOV 21 JAN									7270	9520
08	<6.00	<6.00	11.0	14	47.0	51	<6.0	11.0	8500	9500
MAR 13 MAY	<6.00	<3.00	<6.0	<3	61.0	59	<6.0	<3.0	6900	8400
21 JUL	<3.00	<3.00	<3.0	<3	39.0	41	<3.0	<3.0	8500	9800
16 17 17 17 18 18 20 20 21 SEP 26	<3.00 4.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00 <3.00		<3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0	<3 <3 <3 <3 <3 <3 <3 <3 <3 <3 <3 <3 <3 <		48 59 77 70 65 62 61 58 46 65 61 57 56	<3.0 <3.0 <3.0 <3.0 4.0 <3.0 <3.0 <3.0 <3.0 83.0 <3.0 12.0 <3.0 <3.0 <3.0 8.0 <7.0 12.0 <3.0	8.0 9.0 9.0 12.0 16.0	9400 10000 1900 7400 4400 4700 4400 4100 1100 1300 2400	9900 110000 47000 47000 26000 14000 17000 12000 11000 9700 8200 8500
DATE	LEAD, DIS- SOLVED (MG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	SELE- NIUM, TOTAL (µG/L AS SE) (01147)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)
DATE  NOV 21	DIS- SOLVED (µG/L AS PB)	TOTAL RECOV- ERABLE (µG/L AS PB)	NESE, DIS- SOLVED (µG/L AS MN)	NESE, TOTAL RECOV- ERABLE (µG/L AS MN)	NICKEL, DIS- SOLVED (µG/L AS NI)	TOTAL RECOV- ERABLE (µG/L AS NI)	NIUM, DIS- SOLVED (µG/L AS SE)	NIUM, TOTAL (µG/L AS SE)	DIS- SOLVED (µG/L AS ZN)	TOTAL RECOV- ERABLE (µG/L AS ZN)
NOV	DIS- SOLVED (µG/L AS PB)	TOTAL RECOV- ERABLE (µG/L AS PB)	NESE, DIS- SOLVED (µG/L AS MN) (01056)	NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI)	TOTAL RECOV- ERABLE (µG/L AS NI)	NIUM, DIS- SOLVED (µG/L AS SE)	NIUM, TOTAL (µG/L AS SE)	DIS- SOLVED (µG/L AS ZN)	TOTAL RECOV- ERABLE (µG/L AS ZN)
NOV 21 JAN 08 MAR 13	DIS- SOLVED (µG/L AS PB) (01049)	TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	NESE, DIS- SOLVED (µG/L AS MN) (01056)	NESE, TOTAL RECOV- ERABLE (µG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	NIUM, DIS- SOLVED (µG/L AS SE) (01145)	NIUM, TOTAL (µG/L AS SE) (01147)	DIS- SOLVED (µG/L AS ZN) (01090)	TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)
NOV 21 JAN 08 MAR	DIS- SOLVED (µG/L AS PB) (01049)  <80.0 <80.0 <40.0	TOTAL RECOV- REABLE (µG/L AS PB) (01051)  <80 <40 <40	NESE, DIS- SOLVED (µG/L AS MN) (01056)	NESE, TOTAL RECOV- ERABLE (μG/L AS MN) (01055)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	TOTAL RECOV- ERABLE (µG/L AS NI) (01067)	NIUM, DIS- SOLVED (µG/L AS SE) (01145)	NIUM, TOTAL (μG/L AS SE) (01147)	DIS- SOLVED (µG/L AS ZN) (01090)	TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)
NOV 21 JAN 08 MAR 13 MAY 21	DIS- SOLVED (µG/L AS PB) (01049)  <80.0 <80.0 <40.0	TOTAL RECOV- REABLE (µG/L AS PB) (01051)  <80 <40 <40 <40 <40	NESE, DIS- SOLVED (μG/L AS MN) (01056) 2940 2000 2300	NESE, TOTAL RECOV- ERABLE (μG/L AS MN) (01055) 2950 2000 2300	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)  70.0 95.0 58.0	TOTAL RECOV- ERABLE (µG/L AS NI) (01067) 66	NIUM, DIS- SOLVED (µG/L AS SE) (01145)  <200 <200 <100	NIUM, TOTAL (µG/L AS SE) (01147)  <200 <100	DIS- SOLVED (µG/L AS ZN) (01090)	TOTAL RECOV- REABLE (μG/L AS ZN) (01092) 130 220

## 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT  $25^{\circ}$  CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		1	NOVEMBER		I	DECEMBER			JANUARY	
1 2 3 4 5	441 332 324 436 367	332 321 318 324 331	390 327 320 400 339	420 316 439 458 317	315 312 310 312 313	334 315 358 365 315	411 419 278 292 345	281 278 269 262 292	343 315 274 267 327	347 280 351 349 282	280 278 278 280 280	313 279 312 289 280
6 7 8 9 10	337 439 448 339 383	332 337 339 326 323	334 379 380 332 334	376 466 318 317 463	313 316 315 312 309	317 414 316 315 380	333 281 324 346 301	281 261 261 301 261	307 268 277 332 274	359 358 283 359 357	281 283 281 281 284	327 290 282 328 295
11 12 13 14 15	434 336 323 436 435	336 323 318 318 322	394 328 321 376 351	484 324 371 463 353	322 317 311 353 327	362 321 317 419 331	263 340 288 360 372	256 263 257 253 260	258 314 264 292 322	285 365 364 288 366	284 285 287 287 287	285 328 307 287 327
16 17 18 19 20	322 392 430 369 359	319 318 364 350 355	320 332 394 355 357	336 414 439 401 354	328 336 401 350 338	332 357 423 373 343	260 601 449 289 291	252 252 289 272 267	255 460 346 280 278	366 292 366 368 300	291 289 289 300 294	314 290 320 332 295
21 22 23 24 25	464 385 355 447 456	357 354 344 340 337	420 361 351 383 378	440 279 278 439 432	276 274 276 275 271	351 277 277 374 285	292 264 306 306 289	261 261 262 264 267	273 262 286 270 272	356 367 329 364 385	295 329 302 301 329	314 353 310 317 365
26 27 28 29 30 31	337 378 451 335 322 435	328 324 335 321 317 318	333 333 401 328 320 387	334 405 449 301 292	257 279 298 291 286	284 304 381 296 289	324 272 306 336 277 327	271 270 270 275 273 276	305 271 277 309 275 288	329 342 391 357 318 398	306 304 342 311 303 318	312 310 375 325 307 375
MONTH	464	317	357	484	257	338	601	252	295	398	278	314
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY		MIN <b>FEBRUARY</b>	MEAN	MAX	MIN MARCH	MEAN	MAX	MIN <b>APRIL</b>	MEAN	MAX	MIN <b>MAY</b>	MEAN
DAY  1 2 3 4 5				301 326 270 319 325		MEAN 270 304 266 280 296	MAX		MEAN	MAX		MEAN
1 2 3 4	383 343 426 424	339 339 339 343 359	351 341 395 384	301 326 270 319	MARCH 264 270 265 265	270 304 266 280		APRIL			MAY   	  
1 2 3 4 5 6 7 8	383 343 426 424 359 416 324 322 403	339 339 343 359 350 323 321 315 313	351 341 395 384 354 374 323 319 371	301 326 270 319 325 266 319 328 267	264 270 265 265 266 263 264 267 264	270 304 266 280 296 265 284 294 265		APRIL	     	=== === === === ===	MAY	    
1 2 3 4 5 6 7 8 9 10 11 12 13 14	383 343 426 424 359 416 324 322 403 393 340 402 398 311	339 339 343 359 350 321 315 313 305 334 334 311 298	351 341 395 384 354 374 323 319 371 334 337 380 322 305	301 326 270 319 325 266 319 328 267 329 331 278 351 295	264 270 265 265 266 263 264 267 264 266 278 272 271 287	270 304 266 280 296 265 284 294 265 300 291 276 329 291		APRIL			MAY	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	383 343 426 424 359 416 324 322 403 393 340 402 398 311 369 370 291 346 346	339 339 343 359 350 321 315 313 305 334 311 298 297 290 288 285 269	351 341 395 384 354 374 323 319 371 334 337 380 322 305 336 307 289 321 284	301 326 270 319 325 266 319 328 267 329 331 278 351 295 337 350 290 323 323	MARCH  264 270 265 265 266 263 264 267 264 266 278 272 271 287 293 289 283 278 263	270 304 266 280 296 265 284 294 265 300 291 276 329 291 299 331 286 295 291		APRIL			MAY	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	383 343 426 424 359 416 324 322 403 393 340 402 398 311 369 370 291 346 270 327 309 263 323	339 339 343 359 350 321 315 313 305 334 334 311 298 297 290 288 285 269 262	351 341 395 384 354 374 323 319 371 334 337 380 322 305 336 307 289 321 284 265 305 268 261 304	301 326 270 319 325 266 319 328 267 329 331 278 351 295 337 350 290 323 323 	MARCH  264 270 265 265 266 263 264 267 264 266 278 271 287 293 289 283 278 263	270 304 266 280 296 265 284 294 265 300 291 276 329 291 299 331 286 295 291		APRIL		        359 341	MAY	         

#### 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT  $25^{\circ}$  CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		2	EPTEMBE	R
1 2 3 4 5	334 363 365 364 384	320 318 353 358 356	324 337 360 361 369	365 365 349 353 351	301 348 332 331 331	313 352 338 340 344	378 347 413 415 433	344 343 342 312 385	358 344 387 354 401	385 410 429 414 490	363 377 407 379 396	378 385 417 401 425
6 7 8 9	367 395 395 573 384	347 345 342 333 329	353 351 373 367 349	341 365 358 365 366	333 341 340 339 349	339 358 348 344 360	452 420 438 440 407	385 399 397 399 388	432 407 407 421 395	472 387 476 436 379	387 378 375 368 342	419 384 420 396 368
11 12 13 14 15	371 322 399 365 328	320 286 322 327 285	345 315 382 345 309	349 381 363 377 380	336 337 334 333 355	339 360 347 335 367	443 438 417 440 396	397 417 412 396 371	419 426 414 417 379	466 426 454 459 383	364 376 373 383 367	422 390 382 430 374
16 17 18 19 20	585 617 544 529 500	281 403 398 407 377	421 463 458 423 414	356 377 372 329 375	330 324 327 324 323	335 345 351 327 354	446 447 385 444 434	367 385 362 360 363	371 413 365 382 393	455 459 437 450 377	363 363 358 377 355	384 406 370 420 363
21 22 23 24 25	521 585 565 470 386	469 452 469 386 344	499 519 513 427 361	355 351 367 349 366	319 317 349 318 318	334 319 358 324 328	380 455 421 370 442	367 377 370 363 362	375 410 389 368 408	447 447 378 431 694	353 378 369 362 414	378 415 373 384 565
26 27 28 29 30 31	354 350 319 338 329	332 318 312 312 306	342 336 315 329 316	394 365 383 384 359 407	320 345 343 359 340 340	371 351 351 372 345 373	398 351 413 385 387 404	351 343 342 350 347 365	368 347 396 359 351 389	685 604 547 534 541	595 544 511 507 494	632 582 533 521 517
MONTH YEAR	617 694	281 252	379 347	407	301	346	455	312	389	694	342	428

#### $PH, WATER, WHOLE, FIELD, STANDARD\ UNITS, WATER\ YEAR\ OCTOBER\ 2000\ TO\ SEPTEMBER\ 2001$

DAY	MAX	MIN	MEDIAN									
		OCTOBE	IR.	N	OVEMBE	R	D	ECEMBE	R		JANUAR	Y
1												
2				6.3	6.1	6.1						
3				6.3	4.2	6.2						
4				6.3	4.4	6.1						
5				6.3	6.3	6.3						
6				6.3	5.2	6.3						
7				6.2	4.2	4.5						
8				6.2	6.2	6.2						
9				6.3	6.2	6.2						
10				6.3	4.3	4.9						
11				6.1	4.4	6.1						
12				6.2	6.1	6.1						
13				6.1	4.9	6.1						
14												
15												
16												
17												
18												
19												
20												
21												
22				6.3	6.3	6.3						
23				6.3	6.3	6.3						
24				6.3	4.0	4.4						
25				6.2	4.4	6.2						
26				6.2	6.1	6.2						
27				6.1	4.2	6.1						
28												
29												
30												
31												
MAX				6.3	6.3	6.3						
MIN				6.1	4.0	4.4						

## 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	1	FEBRUAR	ĽΥ		MARCH			APRIL			MAY	
1												
2												
4												
5												
6												
7 8												
9												
10												
11												
12 13												
14				5.9	5.7	5.8						
15				5.7	5.1	5.6						
16				5.4	5.1	5.2						
17				5.4	5.3	5.4						
18 19				5.4 5.4	5.1 5.1	5.3 5.1						
20												
21										6.4	6.2	6.3
22 23										6.4 6.3	5.2 5.5	6.3 5.8
24										6.4	6.3	6.3
25										6.4	5.2	5.6
26										6.3	5.6	6.3
27										6.3	6.3	6.3
28 29										6.3 6.2	5.2 5.6	5.4 6.2
30										6.2	5.1	6.2
31										5.8	5.1	5.3
MAX				5.9	5.7	5.8				6.4	6.3	6.3
MIN				5.4	5.1	5.1				5.8	5.1	5.3
DAY	MAX	MTN	MEDTAN	MAX	MTN	MEDTAN	MAX	MTN	MEDTAN	MAX	MTN	MEDTAN
DAY	MAX	MIN	MEDIAN	MAX		MEDIAN	MAX		MEDIAN	MAX		MEDIAN
DAY	MAX	MIN <b>JUNE</b>	MEDIAN	MAX	MIN JULY	MEDIAN		MIN AUGUST	MEDIAN		MIN SEPTEMBE	
1		JUNE			JULY		6.2	AUGUST	6.0		SEPTEMBE	IR 
		JUNE			JULY			AUGUST			SEPTEMBE	ir.
1 2 3 4		JUNE  			JULY	  	6.2 6.2 6.2 6.1	5.1 6.2 4.5 5.2	6.0 6.2 5.0 6.0		SEPTEMBE   	:R   
1 2 3	 	JUNE		 	JULY  	 	6.2 6.2 6.2	<b>AUGUST</b> 5.1 6.2 4.5	6.0 6.2 5.0	 	SEPTEMBE	:R  
1 2 3 4 5	    6.2	JUNE 5.4	    6.2	   	JULY	  	6.2 6.2 6.2 6.1 5.8	5.1 6.2 4.5 5.2 5.6 4.2	6.0 6.2 5.0 6.0 5.7	   6.1 5.9	SEPTEMBE    4.0 4.0	   6.1 4.4
1 2 3 4 5	    6.2 6.2	JUNE 5.4 4.8	    6.2 6.2	   	JULY	=== === ====	6.2 6.2 6.2 6.1 5.8	5.1 6.2 4.5 5.2 5.6 4.2	6.0 6.2 5.0 6.0 5.7	   6.1 5.9 6.0	SEPTEMBE   4.0 4.0 5.9	   6.1 4.4 5.9
1 2 3 4 5	    6.2	JUNE 5.4	    6.2	   	JULY	  	6.2 6.2 6.2 6.1 5.8	5.1 6.2 4.5 5.2 5.6 4.2	6.0 6.2 5.0 6.0 5.7	   6.1 5.9	SEPTEMBE    4.0 4.0	   6.1 4.4
1 2 3 4 5	6.2 6.2	JUNE 5.4 4.8 4.8	   6.2 6.2 5.3	   	JULY	==== ==== ====	6.2 6.2 6.2 6.1 5.8	5.1 6.2 4.5 5.2 5.6 4.2	6.0 6.2 5.0 6.0 5.7 4.5	  6.1 5.9 6.0 6.0	SEPTEMBE 4.0 4.0 5.9 4.1	6.1 4.4 5.9
1 2 3 4 5 6 7 8 9 10	6.2 6.2 6.2 6.1	JUNE 5.4 4.8 4.8 6.1 4.9	6.2 6.2 5.3 6.2 6.0		JULY		6.2 6.2 6.2 6.1 5.8 5.6	5.1 6.2 4.5 5.2 5.6 4.2 	6.0 6.2 5.0 6.0 5.7 4.5 	6.1 5.9 6.0 6.0 5.8 5.8	**************************************	6.1 4.4 5.9 5.5 4.5 5.8
1 2 3 4 5 6 7 8 9 10	6.2 6.2 6.2 6.2 6.1	JUNE 5.4 4.8 4.8 6.1 4.9	6.2 6.2 6.2 5.3 6.0 5.2 5.8		JULY		6.2 6.2 6.2 6.1 5.8 5.6	5.1 6.2 4.5 5.2 5.6 4.2	6.0 6.2 5.0 6.0 5.7 4.5 	  6.1 5.9 6.0 6.0 5.8 5.8	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3	6.1 4.4 5.9 5.5 4.5 5.8 4.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14	6.2 6.2 6.2 6.2 6.1 5.8 5.9	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9	6.2 6.2 5.3 6.2 6.0 5.2 5.8		JULY		6.2 6.2 6.1 5.8 5.6	5.1 6.2 4.5 5.2 5.6 4.2 	6.0 6.2 5.0 6.0 5.7 4.5 	5.9 6.0 5.8 5.8 5.8 5.8	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3	6.1 4.4 5.9 5.5 5.8 4.3 5.4 5.7 4.3
1 2 3 4 5 6 7 8 9 10	6.2 6.2 6.2 6.2 6.1 5.8 5.9	JUNE 5.4 4.8 4.8 6.1 4.9	6.2 6.2 5.3 6.2 5.3 6.2 5.0	     	JULY		6.2 6.2 6.2 6.1 5.8 5.6 	5.1 6.2 4.5 5.2 5.6 4.2 	6.0 6.2 5.0 6.0 5.7 4.5 	  6.1 5.9 6.0 6.0 5.8 5.8	**************************************	6.1 4.4 5.9 5.5 4.5 5.8 4.3 5.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	6.2 6.2 6.2 6.2 6.1 5.8 5.9	5.4 4.8 4.8 6.1 4.9 5.0 5.8	6.2 6.2 6.3 6.2 6.0 5.2 6.0		JULY		6.2 6.2 6.1 5.8 5.6   6.2	5.1 6.2 4.5 5.2 5.6 4.2   4.8	6.0 6.2 5.0 6.0 5.7 4.5   6.2	5.9 6.1 5.9 6.0 5.8 5.8 5.8 5.6 5.7 5.1 5.8	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1	6.1 4.4 5.9 5.5 5.8 4.3 5.4 4.3 5.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	6.2 6.2 6.2 6.2 6.1 5.8 5.9	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9	6.2 6.2 6.2 5.3 6.0 5.2 5.8 5.0	        	JULY		6.2 6.2 6.1 5.8 5.6   6.2	5.1 6.2 4.5 5.2 5.6 4.2   4.8 4.8 4.8	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.3 4.7	  6.1 5.9 6.0 6.0 5.8 5.8 5.8 5.6 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.1 5.1 4.3	6.1 4.4 5.9 5.5 5.8 4.3 5.4 5.7 4.3 5.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9	6.2 6.2 6.2 5.3 6.2 6.0 5.2 5.8 5.0		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4 6.5	### AUGUST    5.1     6.2     4.5     7.2     7.3     8.4     8.4     8.4     9.2     9.2     9.3     9.3     9.4     9.5	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.2 6.3 4.7 6.4 6.4	5.9 6.1 5.9 6.0 5.8 5.8 5.8 5.7 5.1 5.8 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1 4.3 4.3 4.4	6.1 4.4 5.9 5.5 4.5 5.8 4.3 5.4 4.3 5.7 5.8 4.6 5.8
1 2 3 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9	6.2 6.2 6.2 5.3 6.2 6.0 5.2 5.8 5.0		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4	**AUGUST**  5.1 6.2 4.5 5.2 5.6 4.2 4.8 4.8 4.8 4.8 5.2	6.0 6.2 5.0 6.0 5.7 4.5    6.2 6.3 4.7 6.4	5.9 6.0 6.0 5.8 5.8 5.6 5.7 5.1 5.8 5.8	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1	6.1 4.4 5.9 5.5 4.5 5.8 4.3 5.7 4.3 5.7 4.3 5.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.5 4.3	6.2 6.2 6.2 5.3 6.2 6.0 5.2 5.0 		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4 6.5 6.4	AUGUST  5.1 6.2 4.5 5.2 5.6 4.2 4.8 4.8 4.8 4.8 4.2 5.2 4.5 4.5	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.2 6.3 4.7 6.4 6.4 5.0	5.9 6.1 5.9 6.0 6.0 5.8 5.8 5.8 5.7 5.1 5.8 5.7 5.3 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1 4.3 4.3 5.3	6.1 4.4 5.9 5.5 4.5 5.8 4.3 5.7 4.3 5.7 5.8 4.6 5.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9  6.0	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.5 4.3 4.7	6.2 6.2 6.2 5.3 6.2 6.0 5.2 5.8 5.0 		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4 6.5 6.5	### AUGUST    5.1     6.2     4.5     5.2     5.6     4.2                 4.8     4.8     4.8     4.2     5.2     4.5     6.4     4.5	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.3 4.7 6.4 5.0 6.4 6.5	5.9 6.0 6.0 5.8 5.8 5.6 5.7 5.1 5.8 5.8	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.3 4.1 5.1	  6.1 4.4 5.9 5.5 8 4.3 5.7 4.3 5.7 4.3 5.7 4.3 5.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9 	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.0 5.8 4.7 5.5 4.3 4.7 5.2 5.1	6.2 6.2 6.2 5.3 6.2 6.0 5.2 5.8 5.0  6.0 5.4 5.1		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4 6.5 6.4 6.5 6.6 6.6	AUGUST  5.1 6.2 4.5 5.2 5.6 4.2 4.8 4.8 4.2 5.2 4.5 4.5 4.5 4.6 6.6	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.2 6.3 4.7 6.4 6.4 5.0 6.5 5.2 6.6	5.9 6.1 5.9 6.0 6.0 5.8 5.8 5.8 5.7 5.1 5.8 5.7 5.3 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1 4.3 4.3 5.3	6.1 4.4 5.9 5.5 5.8 4.3 5.7 4.3 5.7 5.8 4.6 5.6
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9  6.0	JUNE 5.4 4.8 4.8 4.1 4.9 5.0 5.8 4.9 5.5 4.3 4.7 5.2	6.2 6.2 6.2 5.3 6.0 5.2 5.8 5.0  6.0 5.4 5.1		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4 6.5 6.5 6.6	### AUGUST    5.1     6.2     4.5     5.2     5.6     4.2                 4.8     4.8     4.8     4.5     4.5     4.8	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.3 4.7 6.4 6.4 5.0 6.5 5.2	5.9 6.0 5.8 5.8 5.6 5.7 5.1 5.8 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.3 4.1 5.1 4.3 5.3	6.1 4.4 5.9 5.5 4.5 5.8 4.3 5.7 4.3 5.7 5.8 4.4 5.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9 5.9 6.0 5.6 5.6 5.6	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.5 4.3 4.7 5.2	6.2 6.2 6.2 6.3 6.2 6.0 5.2 5.8 5.0 		JULY		6.2 6.2 6.1 5.8 5.6  6.2 6.3 5.2 6.5 6.4 6.5 6.6 6.6 6.6	AUGUST  5.1 6.2 4.5 5.2 5.6 4.2 4.8 4.8 4.8 4.2 5.2 4.5 4.5 4.5 6.4 4.5 4.6 5.1	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.3 4.7 6.4 6.4 5.0 6.4 6.5 5.2 6.6 4.8	5.9 6.1 5.9 6.0 6.0 5.8 5.8 5.8 5.7 5.1 5.8 5.7 5.3 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1 4.3 4.3 5.3	6.1 4.4 5.9 5.5 4.5 5.8 4.3 5.7 4.3 5.7 5.8 4.6 5.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9 5.9  6.0 5.6 5.6 5.6	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.5 4.3 4.7 5.2 5.1	6.2 6.2 6.2 5.3 6.0 5.2 5.8 5.0  6.0 5.4 5.1 5.4		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4 6.5 6.6 6.6 6.6 6.6	### AUGUST    5.1     6.2     4.5     5.2     5.6     4.2             4.8     4.8     4.8     4.5     4.5     4.6     5.1     6.5     6	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.3 4.7 6.4 6.4 5.0 6.5 5.2 6.6 4.8	5.9 6.1 5.9 6.0 6.0 5.8 5.8 5.8 5.6 5.7 5.1 5.8 5.7 5.8	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.3 4.1 5.1 4.3 5.3	6.1 4.4 5.9 5.5 8 4.3 5.4 5.7 4.3 5.7 5.8 4.6 5.8 4.4 5.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9 5.9 6.0 5.6 5.6 5.6	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.5 4.3 4.7 5.2 5.1	6.2 6.2 6.2 5.3 6.2 6.0 5.2 5.8 5.0 		JULY		6.2 6.2 6.1 5.8 5.6  6.2 6.3 5.2 6.5 6.4 6.5 6.6 6.6 6.6 6.6	AUGUST  5.1 6.2 4.5 5.2 5.6 4.2 4.8 4.8 4.2 5.2 4.5 4.5 4.5 4.5 6.4 4.5 4.6 5.1 6.5	6.0 6.2 5.0 6.0 5.7 4.5   6.2 6.3 4.7 6.4 6.5 5.0 6.4 6.5 5.2 6.6 4.8	5.9 6.1 5.9 6.0 6.0 5.8 5.8 5.8 5.7 5.1 5.8 5.7 5.3 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1 4.3 4.3 5.3	6.1 4.4 5.9 5.5 5.8 4.3 5.7 4.3 5.7 5.8 4.6 5.6
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9 5.9  6.0 5.6 5.6 5.6	JUNE 5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.5 4.3 4.7 5.2 5.1	6.2 6.2 6.2 5.3 6.0 5.2 5.8 5.0  6.0 5.4 5.1 5.4 5.4		JULY		6.2 6.2 6.1 5.8 5.6   6.2 6.3 5.2 6.4 6.5 6.6 6.6 6.6 6.6	### AUGUST    5.1     6.2     4.5     5.2     5.6     4.2             4.8     4.8     4.8     4.5     4.5     4.6     5.1     6.5     6	6.0 6.2 5.0 6.0 5.7 4.5  6.2 6.3 4.7 6.4 6.4 5.0 6.5 5.2 6.6 4.8	5.9 6.1 5.9 6.0 6.0 5.8 5.8 5.8 5.6 5.7 5.1 5.8 5.7 5.8 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.3 5.1	6.1 4.4 5.9 5.5 8 4.3 5.7 4.3 5.7 5.8 4.6 5.8 4.4 5.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	6.2 6.2 6.2 6.2 6.1 5.8 5.9 5.9 5.9 5.9 5.9 6.0	5.4 4.8 4.8 6.1 4.9 5.0 5.8 4.9 5.5 4.3 4.7 5.2 5.1	6.2 6.2 6.2 5.3 6.2 6.0 5.2 5.8 5.0  6.0 5.4 5.1 5.4		JULY		6.2 6.2 6.1 5.8 5.6  6.2 6.3 5.2 6.4 6.5 6.6 6.6 6.6 6.6	AUGUST  5.1 6.2 4.5 5.2 5.6 4.2 4.8 4.8 4.8 4.2 5.2 5.4 5.4 6.4 4.5 4.6 5.1 6.5	6.0 6.2 5.0 6.0 5.7 4.5  6.2 6.3 4.7 6.4 6.5 5.0 6.4 6.5 5.2 6.6 4.8	5.9 6.1 5.9 6.0 5.8 5.8 5.8 5.7 5.8 5.7 5.8 5.7	SEPTEMBE 4.0 4.0 5.9 4.1 4.2 5.8 4.1 4.3 4.3 4.1 5.1 4.3 5.3	6.1 4.4 5.9 5.5 5.8 4.3 5.4 5.7 5.8 4.6 5.7

## 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1 2 3 4 5	12.0		12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.5 12.0	11.5 11.5 11.5 12.0 11.5	11.5 12.0 12.0 12.0 11.5	12.0 12.0 11.5 11.5 12.0	11.5 11.0 11.0 11.0	11.5 11.5 11.0 11.5 11.5	12.0 11.5 12.0 12.0 11.5	11.5 11.5 11.5 11.5	11.5 11.5 11.5 11.5 11.5
6 7 8 9 10	12.0 12.0 12.0 11.5 12.0	12.0 12.0 11.5 11.5	12.0 12.0 11.5 11.5	12.0 12.5 12.0 12.0 12.0	11.5 12.0 12.0 12.0 12.0	11.5 12.0 12.0 12.0 12.0	11.5 11.5 12.0 12.0 11.5		11.5 11.5 11.5 11.5 11.5		11.5 11.5 11.5 11.5	12.0 11.5 11.5 11.5
11 12 13 14 15	12.0 12.0	12.0 11.5 12.0 12.0	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.0 12.5 11.5	11.5 11.5 11.5 11.5 11.5	12.0 11.5 12.0 12.0 11.5	12.0 12.0 11.5 12.0 12.0	11.5 11.0 11.0 11.0	11.5 11.5 11.0 11.5 11.5	11.5 12.0 11.5 11.5	11.5 11.5 11.5 11.5	11.5 12.0 11.5 11.5
16 17 18 19 20	12.0 12.5	12.0 12.0 12.0 11.5 11.5	12.0 12.0 12.0 12.0 12.0	11.5 12.0 12.0 11.5 11.5	11.0 11.5 11.0 11.0	11.5 12.0 11.5 11.5	11.5 11.5 12.0 12.0		11.5 11.0 12.0 12.0 12.0	11.5 11.5 12.0 12.0 11.5	11.5 11.5 11.5 11.5	11.5 11.5 11.5 11.5 11.5
21 22 23 24 25	12.5 12.0 12.0 12.5 12.5	12.0 11.5 11.5 11.5 12.0	12.0 12.0 11.5 12.0 12.0	12.0 11.0 11.0 12.0 12.0	11.0 11.0 11.0 11.0	11.5 11.0 11.0 11.5	12.0 12.0 12.0 12.0 12.0	12.0 11.5 11.5 11.5	12.0 12.0 12.0 11.5 11.5		11.0 11.0 11.0 11.5 11.5	11.5 11.5 11.5 11.5 11.5
26 27 28 29 30 31	12.0 12.0 12.5 11.5 12.0 12.0	12.0 12.0 11.5 11.5 11.5	12.0 12.0 12.0 11.5 11.5	12.0 12.0 12.0 11.5 11.5	11.0 11.5 11.5 11.5	11.5 11.5 12.0 11.5 11.5		11.5 11.5 11.0 11.5 11.5	12.0 11.5 11.5 11.5 11.5	11.5 12.0 12.0 11.5 12.0	11.5 11.5 11.0 11.0 11.5	11.5 11.5 11.5 11.5 11.5
MONTH							12.0			12.0	11.0	11.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY		FEBRUARY			MARCH			APRIL			MIN <b>MAY</b>	MEAN
DAY  1 2 3 4 5	11.5 11.5 11.5	FEBRUARY			MARCH			APRIL				MEAN  12.0 12.0 12.0 12.0 12.0
1 2 3 4 5 6 7 8 9	11.5 11.5 11.5 11.5 11.5 11.5 12.0 12.0 12.0 12.0	11.5 11.0 11.0 11.0 11.0	11.5 11.5 11.5 11.5		MARCH 11.5 11.5 11.5 11.5	11.5 12.0 11.5 11.5		11.5 11.5 11.5 11.5 11.5	MEAN  11.5 12.0 11.5 12.0 12.0 12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0	MAY 12.0 12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0
1 2 3 4 5 6 7 8 9	11.5 11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 12.0	11.5 11.0 11.0 11.0 11.0 11.5 11.5 11.5	11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 11.5	12.0 12.0 12.0 12.0	MARCH  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5	12.0 12.0 12.0 12.0 12.0	APRIL  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 12.0 12.0 12.0 12.0 11.5 12.0 12.0	12.0 12.0 12.5 12.0 12.0 12.0 12.0 12.0 12.5 12.0	MAY  12.0 12.0 12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14	11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 12.0 12.0 12.0	### FEBRUARY  11.5 11.0 11.0 11.0 11.5 11.5 11.0 11.5 11.5	11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	12.0 12.0 12.0 12.0 12.0 12.0 11.5 12.0 11.5 12.0 11.5 12.0	MARCH  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5 12.0	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	APRIL  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0 12.0 12.0 12.0 12.5 12.0 12.0 12.5	MAY  12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 12.0 12.0 12.0 12.0 12.0 12.0	### TEBRUARY  11.5 11.0 11.0 11.0 11.5 11.5 11.5 11.	11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5	12.0 12.0 12.0 12.0 12.0 11.5 12.0 11.5 12.0 11.5 12.0 11.5 12.0 11.5 12.0	MARCH  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 11.5 11.5	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	APRIL  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0 12.0 12.0 12.0 12.5 12.0 12.0 12.5 12.5 12.5	MAY  12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	### FEBRUARY  11.5 11.0 11.0 11.0 11.5 11.5 11.5 11.	11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	12.0 12.0 12.0 12.0 12.0 11.5 12.0 11.5 12.0 11.5 12.0 11.5 12.0 11.5 12.0	MARCH  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 11.5 11.5 11.5 11.5 11.5 12.0 11.5 12.0 11.5 11.5	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	APRIL  11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	11.5 12.0 11.5 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0 12.0 12.0 12.0 12.5 12.0 12.0 12.5 12.5 12.5 12.5 12.0	MAY  12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0

## 403542076263201 ROWE DRAINAGE TUNNEL, SITE E2-244, NR JOLIETT, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBE	R
1 2 3 4 5	12.0 12.5 12.5 12.0 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0 12.5	12.0 12.0 12.0 12.0 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0 12.0	12.5 12.5 12.5 13.0 12.0	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.5 12.0 12.0	12.5 12.5 12.5 12.5 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0
6 7 8 9 10	12.5 12.0 12.5 12.5 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0	12.0 12.5 12.5 12.0 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0 12.5	12.5 12.5 12.5 12.5 13.0	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.0 12.5 12.0	13.0 12.5 12.5 13.0 12.5	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.0 12.5 12.0
11 12 13 14 15	12.5 12.5 12.5 12.5 12.5	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.0 12.0 12.0	12.0 12.5 12.5 12.0 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0 12.5	12.5 12.5 12.0 12.5 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.5 12.0 12.5 12.0	12.5 12.5 12.5 12.5 12.0	12.0 12.0 12.0 12.0 11.5	12.5 12.0 12.0 12.5 12.0
16 17 18 19 20	12.5 12.5 12.0 12.5 12.5	12.0 11.5 12.0 12.0	12.5 12.0 12.0 12.5 12.0	12.5 12.5 12.5 12.0 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0	12.5 12.5 12.5 12.5 12.5	12.0 12.5 12.0 12.0 12.0	12.0 12.5 12.0 12.0 12.5	12.5 13.0 12.5 13.0 12.0	11.5 12.0 12.0 12.0 12.0	12.0 12.5 12.0 12.5 12.0
21 22 23 24 25	12.5 12.5 12.0 12.0 12.0	12.0 11.5 12.0 12.0	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.5 12.5 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.0	12.0 12.5 12.5 12.5 12.5	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.5 12.0 12.5	12.5 13.0 12.5 13.5 12.5	12.0 12.0 12.0 12.0 11.5	12.0 12.5 12.0 12.0
26 27 28 29 30 31	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0 12.0	12.0 12.0 12.0 12.0 12.0	12.5 12.5 12.5 12.5 12.5 12.0	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.0 12.5 12.0	12.5 12.0 12.5 12.5 12.5 13.0	12.0 12.0 12.0 12.0 12.0	12.5 12.0 12.5 12.0 12.0	12.0 12.5 12.5 12.0 12.5	11.5 11.5 11.5 11.5 11.5	11.5 12.0 12.0 12.0 12.0
MONTH	12.5	11.5	12.1	12.5	12.0	12.1	13.0	12.0	12.2	13.5	11.5	12.1
YEAR	13.5	10.0	11.9									